

INFORMATION DISCLOSURE CITATION

Attorney Docket No.: GC272-D2	Serial N .: 09/06
Applicant: Kodama et al.	
Filing Date: April 15, 1998	Group: 1652
Page <u>1</u> of <u>8</u>	Date of this Submission: April 24, 2003

US PATENT DOCUMENTS

Examiner's	Document				Sub-	Filing
Initial	Number	Date	Name	Class	Class	Date
mmr	*4,751,180	6/14/88	Cousens et al.	435	68	3/28/86

FOREIGN PATENT DOCUMENTS

Examiner's	Document				Sub-	Translation
Initials	Number	Date	Country	Class	Class	Y s/No
mmr	*0 137 280 B1	3/11/92	EP	—	—	
mmr	*0 215 594 B1	1/11/95	EP	—	—	
mmr	*WO 90/15860	12/27/90	PCT	—	—	

OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
mmr	*Ballance, D.J., « Transformation of <i>Aspergillus Nidulans</i> by the Orotidine-5'-Phosphate Decarboxylase Gene of <i>Neurospora Crassa</i> , » Biochemical and Biophysical Research Communications, vol. 112, no. 1, pp. 284-289, 1983.
	*Barclay, Stephen et al., « Efficient Transformation of <i>Dictyostelium discoideum</i> Amoebae, » Molecular and Cellular Biology, vol. 3, pp. 2117-2130, December, 1983.
	*Bast, Bert E.G. et al., « The HB-6, CDw75, and CD76 Differentiation Antigens are Unique Cell-Surface Carbohydrate Determinants Generated by the β -Galactoside α 2,6-Sialyltransferase, » <i>The Journal of Cell Biology</i> , vol. 116, no. 2, pp. 423-435, January, 1992.
	*Berka, R.M. et al., <i>Food Bio/Technology</i> , vol. 9, pp. 976-981, 1991.
	*Bierhuizen, Marti F. A. et al., « Expression cloning of a cDNA encoding UDP-GlcNAc:Gal β 1-3-GalNAc-R (GlcNAc to GalNAc) β 1-6GlcNAc transferase by gene transfer into CHO cells expressing polyoma large tumor antigen, » <i>Proc. Natl. Acad. Sci. USA</i> , vol. 89, pp. 9326-9330, October, 1992.
	*Bierhuizen, Marti F.A. et al., « Expression of the developmental I antigen by a cloned human cDNA encoding a member of a β -1,6-N-acetylglucosaminyltransferase gene family, » <i>Genes & Development</i> , vol. 7, Cold Spring Harbor Laboratory Press, pp. 468-478, 1993.
	*Boel, E. et al., « Two different types of intervening sequences in the glucoamylase gene from <i>Aspergillus niger</i> , » <i>The EMBO Journal</i> , vol. 3, no. 7, pp. 1581-1585, 1984.
	*Bull, John H. et al., « Heavily methylated amplified DNA in transformants of <i>Neurospora crassa</i> , » <i>Nature</i> , vol. 310, pp. 701-704, August 23, 1984.
	*Broekhuijsen, M.P. et al., « <i>Journal of Biotechnology</i> , vol. 31, pp. 135-145, 1993.
	*Campbell et al., « Improved transformation efficiency of <i>Aspergillus niger</i> , using the homologous <i>niaD</i> gene for nitrate reductase, » <i>Curr. Genet.</i> , vol. 16, pp. 53-56, 1989.
mmr	*Case, Mary E. et al., « Efficient transformation of <i>Neurospora crassa</i> by utilizing hybrid plasmid DNA, » <i>Proc. Natl. Acad. Sci. USA</i> , vol. 76, no. 10, pp. 5259-5263, October, 1979.
Examiner	Dat C nsid red 6/25/03

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket N. : GC272-D2	Serial N. : 09/00019
Applicant: Kodama et al.	
Filing Date: April 15, 1998	Group: 1652
Page 2 of 8	Date of this Submission: April 24, 2003

OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
mmml	*Christensen, Tove et al., « High Level Expression of Recombinant Genes in <i>Aspergillus Oryzae</i> , » <i>Bio/Technology</i> , vol. 6, pp. 1419-1422, December, 1988.
	Colley, Karen J. et al., « Conversion of a Golgi Apparatus Sialytranferase to a Secretory Protein by Replacement of the NH ₂ -terminal Signal Anchor with a Signal Peptide » <i>The Journal of Biological Chemistry</i> , » vol. 264, no. 30, pp. 17619-17622, October 25, 1989.
	*Contreras, Roland et al., « Efficient KEX2-Like Processing of a Glucoamylase-Interleukin-6 Fusion Protein by <i>Aspergillus Nidulans</i> , and Secretion of Mature Interleukin-6, » <i>Bio-Technology</i> , vol. 9, pp. 378-381, April, 1991.
	*Cousens, Lawrence S. et al., « High level expression of proinsulin in the yeast, <i>Saccharomyces cerevisiae</i> , » <i>Gene</i> , vol. 61, pp. 265-275, 1987.
	*Dabkowski, P.L. et al., « Characterisation of a cDNA Clone Encoding the Pig α 1,3 Galactosyltransferase : Implications for Xenotransplantation, » <i>Transplantation Proceedings</i> , vol. 25, no. 5, p. 2921, October, 1993.
	*D'Agostaro, Giacomo et al., « Cloning of cDNA encoding the membrane-bound form of bovine β 1,4-galactosyltransferase, » <i>Eur. J. Biochem.</i> , vol. 183, pp. 211-217, 1989.
	*Datta, Arun K. et al., « Both Potential Dolichol Recognition Sequences of Hamster GlcNAc-1-phosphate Transferase Are Necessary For Normal Enzyme Function, » <i>The Journal of Biological Chemistry</i> , vol. 268, no. 17, pp. 12663-12668, June 15, 1993.
	*DeAngelis, Paul L. et al., « Molecular Cloning, Identification, and Sequence of the Hyaluronan Synthase Gene from Group A <i>Streptococcus pyogenes</i> * » <i>The Journal of Biological Chemistry</i> , vol. 268, no. 26, pp. 19181-19184, September 15, 1993.
	*Dunn-Coleman, N.S., <i>Food Bio/Technology</i> , vol. 9, pp. 681-685, 1991.
	Ernst, Linda K. et al., « Stable Expression of Blood Group H Determinants and GDP-L-fucose : β -D-Galactoside 2- α -L-Fucosyltransferase in Mouse Cells after Transfection with Human DNA, » <i>The Journal of Biological Chemistry</i> , vol. 264, no. 6, pp. 3436-3447, February 25, 1989.
	*Evans, Rebecca et al., « Activity and Thermal stability of genetically truncated forms of <i>Aspergillus glucoamylase</i> , » <i>Gene</i> , vol. 91, pp. 131-134, 1990
	**Franke, A.E. et al., « Developments in Industrial Microbiology, vol. 29, Pierce, G. ed., Society for Industrial Microbiology, Arlington, VA, USA.
	*Furukawa, K. et al., « Molecular Biology of Enzymes Involved in Ganglioside Biosynthesis—Isolation and Expression of the cDNAs of β 1,4N-Acetylgalactosaminyltransferase That Determines the Expression of GM ₂ /GD ₂ Gangliosides— » <i>Trends in Glycoscience and Glycotechnology</i> , vol. 5, no. 23, pp. 171-179, May, 1993.
	Gillespie, William et al., « Cloning and Expression of the Gal β 1,3GalNAc α 2,3-Sialytransferase, » <i>The Journal of Biological Chemistry</i> , » vol. 267, no. 29, pp. 21004-21010, October 15, 1992.
mmml	*Goeddel, David V. et al., « Expression in <i>Escherichia coli</i> of chemically synthesized genes for human insulin, » <i>Proc. Natl. Acad. Sci. USA</i> , vol. 76, no. 1, pp. 106-110, January, 1979.
Examiner	Date Considered
mmml	6/24/03

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. PTO-1449

Attorney Docket N .: GC272-D2	Serial N .: 09/000,019
Applicant: Kodama et al.	APR 29 2003
Filing Date: April 15, 1998	Group: 1652
Page 3 of 8	Date of this Submission: April 24, 2003

RECEIVED
MAY 02 2003
TECH CENTER 1600/2900

OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
mm	*Goetz, Susan E. et al., « ELFT : A Gene That Directs the Expression of an ELAM-1 Ligand, » <i>Cell</i> , vol. 63, pp. 1349-1356, December 21, 1990.
	*Grundmann, Ulrich et al., « Complete cDNA sequence encoding human β -galactoside α -2,6-sialyltransferase, » <i>Nucleic Acids Research</i> , vol. 18, no. 3, p. 667, 1990.
	*Guan, Chu et al., « Vectors that facilitate the expression and purification of foreign peptides in <i>Escherichia coli</i> by fusion to maltose-binding protein, » <i>Gene</i> , vol. 67, pp. 21-30, 1988.
	*Gwynne, David I. et al., « Genetically Engineered Secretion of Active Human Interferon and a Bacterial Endoglucanase from <i>Aspergillus nidulans</i> , » <i>Bio-Technology</i> , vol. 5, pp. 713-719, July, 1987.
	Hagen, Fred K. et al., « Purification, Cloning, and Expression of a Bovine UDP-GalNAc : Polypeptide N-Acetyl-galactosaminyltransferase, » <i>The Journal of Biological Chemistry</i> , vol. 268, no. 25, pp. 18960-18965, September 5, 1993.
	*Hamamoto, Toshiro et al., « Two Step Single Primer Mediated Polymerase Chain Reaction. ¹ Application to Cloning of Putative Mouse, β -Galactoside α 2,6-Sialyltransferase cDNA, » <i>Bioorganic & Medicinal Chemistry</i> , vol. 1, no. 2, pp. 141-145, 1993.
	*Hausler, Alex et al., « Glycosylation in <i>Saccharomyces cerevisiae</i> : cloning and characterization of an α -1,2-mannosyltransferase structural gene, » <i>Glycobiology</i> , vol. 2, no. 1, pp. 77-84, 1992.
	*Heesen, Stephan et al., « Isolation of the ALG5 locus encoding the UDP-glucose :dolichyl-phosphate glucosyltransferase from <i>Saccharomyces cerevisiae</i> , » <i>Eur. J. Biochem.</i> , vol. 224, pp. 71-79, 1994.
	Homa, Fred L. et al., « Isolation and Expression of a cDNA Clone Encoding a Bovine UDP-GalNAc :Polypeptide N-Acetylgalactosaminyltransferase, » <i>The Journal of Biological Chemistry</i> , vol. 268, no. 17, pp. 12609-12616, June 15, 1993.
	*Hull, E. et al., « Organization and Localization to Chromosome 5 of the Human UDP-N-Acetylglucosamine : α -3-D-Mannoside β -1,2-N-Acetylglucosaminyltransferase I Gene,+ » <i>Biochemical and Biophysical Research Communications</i> , vol. 176, no. 2, pp. 608-615, April 30, 1991.
	*Hynes, Michael J. et al., « Isolation of Genomic Clones Containing the <i>amdS</i> Gene of <i>Aspergillus nidulans</i> , and Their Use in the Analysis of Structural and Regulatory Mutations, » <i>Molecular and Cellular Biology</i> , vol. 3, pp. 1430-1439, August, 1983.
	*Ichikawa, Yoshitaka et al., « Chemical-Enzymatic Synthesis and Conformational Analysis of Sialyl Lewis X and Derivatives, » <i>J. Am. Chem. Soc.</i> , vol. 114, pp. 9283-9298, 1992.
	*Ihara, Yoshito et al., « cDNA Cloning, Expression, and Chromosomal Localization of Human N-Acetylglucosaminyltransferase III (GnT-III), » <i>J. Biochem.</i> , vol. 113, pp. 692-698, 1993.
	*Jackson, Barbara J. et al., « Biosynthesis of asparagine-linked oligosaccharides in <i>Saccharomyces cerevisiae</i> : the <i>alg2</i> mutation, » <i>Glycobiology</i> , vol. 3, no. 4, pp. 357-364, 1993.
	*Jeenes, et al., <i>FEMS Microbiol. Lett.</i> , vol. 107, pp. 267-272, 1993.
mm	*John, Marion A. et al., « Rapid Communication, Transformation of <i>Aspergillus nidulans</i> using the <i>argB</i> gene, » <i>Enzyme Microb. Technol.</i> , vol. 6, pp. 386-389, September, 1984.
Examiner	Date Considered 6/25/03

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket N. : GC272-D2	Serial No.: 09/000019
Applicant: Kodama et al.	APR 29 2003
Filing Date: April 15, 1998	Group: 1652
Page 4 of 8	Date of this Submission: April 24, 2003

OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
mmml	*Johnson, Irving S., « Human Insulin from Recombinant DNA Technology, » <i>Science</i> , vol. 219, pp. 632-637, February, 1983.
	*Johnstone, I.L. et al., « Cloning an <i>Aspergillus nidulans</i> developmental gene by transformation, » <i>The EMBO Journal</i> , vol. 4, no. 5, pp. 1307-1311, 1985.
	*Joziasse, David H. et al., « Bovine $\alpha 1 \rightarrow 3$ -Galactosyltransferase : Isolation and Characterization of a cDNA Clone, » <i>The Journal of Biological Chemistry</i> , vol. 264, no. 24, pp. 14290-14297, August 25, 1989.
	*Kelly, Joan M. et al., « Transformation of <i>Aspergillus niger</i> by the <i>amdS</i> gene of <i>Aspergillus nidulans</i> , » <i>The EMBO Journal</i> , vol. 4, no. 2, pp. 475-479, 1985.
	*Kinsey, John A. et al., « Transformation of <i>Neurospora crassa</i> with the Cloned <i>am</i> (Glutamate Dehydrogenase), » <i>Molecular and Cellular Biology</i> , vol. 4, pp. 117-122, January, 1984.
	*Korman, David R. et al., « Cloning, characterization, and expression of two α -amylase genes from <i>Aspergillus niger</i> var. <i>awamori</i> , » <i>Curr. Genet</i> , vol. 17, pp. 203-212, 1990.
	*Koszdin, Kari L. et al., « The Cloning and Expression of a Human α -1m3 Fucosyltransferase Capable of Forming the E-Selection Ligand, » <i>Biochemical and Biophysical Research Communications</i> , vol. 187, no. 1, pp. 152-157, August 31, 1992.
	*Kukowska-Latallo, Jolanta F. et al., « A cloned human cDNA determines expression of a mouse stage-specific embryonic antigen and the Lewis blood group $\alpha(1,3/1,4)$ fucosyltransferase, » <i>Genes & Development</i> , Cold Spring Harbor Laboratory Press, vol. 4, pp. 1288-1303, 1990.
	*Kumar, Ravindra et al., « Cloning and expression of <i>N</i> -acetylglucosaminyltransferase I, the medial Golgi transferase that initiates complex N-linked carbohydrate formation, » <i>Proc. Natl. Acad. Sci., USA</i> , vol. 87, pp. 9948-9952, December, 1990.
	Kumar, Ravindra et al., « Cloning of a Human $\alpha(1,3)$ -Fucosyltransferase Gene That Encodes ELFT but Does Not Confer ELAM-1 Recognition on Chinese Hamster Ovary Cell Transfectants, » <i>The Journal of Biological Chemistry</i> , vol. 266, no. 32, pp. 21777-21783, November 15, 1991.
	Kurosawa, Nobuyuki et al., « Molecular Cloning and Expression of GalNAc $\alpha 2,6$ -Sialyltransferase, » <i>The Journal of Biological Chemistry</i> , vol. 269, no. 2, pp. 1402-1409, January 14, 1994.
	*Kurosawa, Nobuyuki et al., « Molecular cloning and expression of chick embryo Gal $\beta 1,4$ GlcNAc $\alpha 2,6$ -sialyltransferase, » <i>Eur. J. Biochem.</i> , vol. 219, pp. 375-381, 1994.
	*Larsen, Robert D. et al., « Molecular cloning, sequence, and expression of a human GDP-L-fucose : β -D-galactoside 2- α -L-fucosyltransferase cDNA that can form the H blood group antigen, » <i>Proc. Natl. Acad. Sci., USA</i> , vol. 87, pp. 6674-6678, September, 1990.
	*Larsen, Robert D. et al., « Isolation of a cDNA encoding a murine UDPgalactose : β -D-galactosyl-1,4- <i>N</i> -acetyl-D-glucosaminide α -1,3-galactosyltransferase : Expression cloning by gene transfer, » <i>Proc. Natl. Acad. Sci. USA</i> , vol. 86, pp. 8227-8231, November, 1989.
	Lee, Young-Choon et al., « Cloning and Expression of cDNA for a New Type of Gal $\beta 1,3$ GalNAc $\alpha 2,3$ -Sialyltransferase, » <i>The Journal of Biological Chemistry</i> , vol. 269, no. 13, pp. 10028-10033, April 1, 1994.
mmml	*Lee, Young-Choon et al., « Molecular cloning and expression of Gal $\beta 1,3$ GalNAc $\alpha 2,3$ -sialyltransferase from mouse brain, » <i>Eur. J. Biochem.</i> , vol. 216, pp. 377-385, 1993.

Examiner	Date Considered
mmml	6/24/03

Examiner: Initial if reference considered, whether r n t citati n is in c nformance with MPEP 609; draw lin through citati n if not in conf rmance and n t considered. Include copy of this form with next c mmunication to applicant. PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket N. : GC272-D2	Serial N. : 09/08/19
Applicant: Kodama et al.	APR 2 9 2003
Filing Date: April 15, 1998	Gr up: 1652
Page 5 of 8	Date of this Submission: April 24, 2003

OTHER DOCUMENTS

Examiner's	Author, Title, Date, Pertinent Pages, etc.
mm	*Livingston, Brian D. et al., « Polymerase Chain Reaction Cloning of a Developmentally Regulated Member of the Sialyltransferase Gene Family,* » <i>The Journal of Biological Chemistry</i> , vo. 268, no. 16, pp. 11504-11507, June 5, 1993.
	*Lockington, Robin A. et al., « Cloning and characterization of the ethanol utilization regulon in <i>Aspergillus nidulans</i> , » <i>Gene</i> , vol. 33, pp. 137-149, 1985.
	Lowe, John B. et al., « Molecular Cloning of a Human Fucosyltransferase Gene That Determines Expression of the Lewis X and VIM-2 Epitopes but Not ELAM-1-dependent Cell Adhesion, » <i>The Journal of Biological Chemistry</i> , vol. 266, no. 26, pp. 17467-17477, September 15, 1991.
	*Lowe, John B. et al., « ELAM-1-Dependent Cell Adhesion to Vascular Endothelium Determined by a Transfected Human Fugosyltransferase cDNA, » <i>Cell</i> , vol. 63, pp. 475-484, November 2, 1990.
	*Madyastha, K. M. et al., « Transformations of acyclic isoprenioids by <i>Aspergillus niger</i> : selective oxidation of α -methyl and remote double bonds, » <i>Appl. Microbiol. Biotechnol.</i> , vol. 38, pp. 738-741, 1993.
	**Maniatis et al., <u>Molecular Cloning : A Laboratory Manual</u> , Cold Spring Harbor Laboratory, Cold Spring Harbor, New York, 1980.
	*Marston, Fiona A. O., « The purification of eukaryotic polypeptides synthesized in <i>Escherichia coli</i> , » <i>Biochem. J.</i> , vol. 240, pp. 1-12, 1986.
	*Masri, Khaled et al., « Identification of the Full-Length Coding Sequence for Human Galacto-Syltransferase (β -N-Acetylglucosaminide : β 1,4-Galactosyltransferase), vol. 157, no. 2, pp. 657-663, December 15, 1988.
	*McKnight, Gary L. et al., « Nucleotide Sequence of the Triosephosphate Isomerase Gene from <i>Aspergillus nidulans</i> : Implications for a Differential Loss of Introns, » <i>Cell</i> , vol. 46, pp. 143-147, July 4, 1986.
	**Moir et al., <u>Developments in Industrial Microbiology</u> , vol. 26, Underkofler, L.A. ed., Society for Industrial Microbiology, Arlington, VA, USA, 1985.
	*Mullaney, Edward J. et al., « Primary structure of the <i>trpC</i> gene from <i>Aspergillus nidulans</i> , » <i>Mol. Gen. Genet.</i> , vol. 199, pp. 37-45, 1985.
	Nagata, Yasuhiko et al., « Expression Cloning of β 1,4 N-Acetylgalactosaminyltransferase cDNAs That Determine the Expression of G_{m2} and G_{D2} Gangliosides, » <i>The Journal of Biological Chemistry</i> , vol. 267, no. 17, pp. 12082-12089, June 15, 1992.
	*Nakayama, Ken-ichi et al., « <i>OCH1</i> encodes a novel membrane bound mannosyltransferase : outer chain elongation of asparagine-linked oligosaccharides, » <i>The EMBO Journal</i> , vol. 11, no. 7, pp. 2522-2519, 1992.
	*Narimatsu, Hisashi et al., « Cloning and sequencing of cDNA of bovine N-acetylglucosamine (β 1-4)galactosyltransferase, » <i>Proc. Natl. Acad. Sci. USA</i> , vol. 83, pp. 4720-4724, July, 1986.
	Natsuka, Shunji et al., « Molecular Cloning of a cDNA Encoding a Novel Human Leukocyte α -1,3-Fucosyltransferase Capable of Synthesizing the Sialyl Lewis X Determinant, » <i>The Journal of Biological Chemistry</i> , vol. 269, no. 24, pp. 16789-16794, June 17, 1994.
	Nishikawa, Atsushi et al., « Purification, cDNA Cloning, and Expression of UDP-N-acetylglucosamine : β -D-mannoside β -1,4N-Acetylglucosaminyltransferase III from Rat Kidney, » <i>The Journal of Biological Chemistry</i> , vol. 267, no. 25, pp. 18199-18204, September 5, 1992.
mm	*Nishimori, Katsuhiko et al., « Expression of cloned calf prochymosin cDNA under control of the tryptophan promoter, » <i>Gene</i> , vol. 29, pp. 41-49, 1984.
Examin r	Date C nsidered 6/24/03

Examin r: Initial if reference considered, whether r n t citati n is in conformanc with MPEP 609; draw lin thr ough citati n if not in conformance and not consider d. Include copy f this form with n xt communication to applicant. PTO-1449

Attorney Docket N. : GC272-D2	Serial No.: 09/000,019
Applicant: Kodama et al.	APR 29 2003
Filing Date: April 15, 1998	Group: 1652
Page 6 of 8	Date of this Submission: April 24, 2003

FOREIGN PATENT DOCUMENTS

Examiner's	Document				Sub-	Translation
Initials	Number	Date	Country	Class	Class	Yes/No
mm	*WO 94/04687	3/3/94	PCT	—	—	
	*WO 86/06097	10/23/86	PCT	—	—	
mm	*WO 94/29457	12/22/94	PCT	—	—	

OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
mm	*Nunberg, Jack H. et al., « Molecular Cloning and Characterization of the Glucoamylase Gene of <i>Aspergillus awamori</i> , <i>Molecular and Cellular Biology</i> , vol. 4, pp. 2306-2315, November, 1984.
	*Nyyssonen, Eini et al., « Efficient Production of Antibody Fragments by the Filamentous Fungus <i>Trichoderma reesei</i> , » <i>Bio/Technology</i> , vol. 11, pp. 591-595. May, 1993.
	**O'Reilly et al., <i>Baculovirus Expression Vectors, A Laboratory Manual</i> , W.H. Freeman and Co., 1992.
	*Orlean, Peter et al., « Cloning and Sequencing of the Yeast Gene for Dolichol Phosphate Mannose Synthase, an Essential Protein, » <i>The Journal of Biological Chemistry</i> , vol. 263, no. 33, pp. 17499-17507, November 25, 1988.
	*Paulson, James C. et al., « Glycosyltransferases, » <i>The Journal of Biological Chemistry</i> , vol. 264, no. 30, pp. 17615-17618, October 25, 1989.
	*Pownall, Scott et al., « Molecular Cloning and Characterization of the Mouse, UDP-N Acetylglucosamine : α -3-D-mannoside β -1,2-N-Acetylglucosaminyltransferase I Gene, » <i>Genomics</i> , vol. 12, pp. 699-704, pp. 699-704, 1992.
	*Rajan, Valanila P. et al., « A Cloned Human DNA Restriction Fragment Determines Expression of a GDP-L-fucose : β -D-Galactoside 2- α -L-fucosyltransferase in Transfected Cells, » <i>The Journal of Biological Chemistry</i> , vol. 264, no. 19, pp. 11158-11167, July 5, 1989.
	*Roberts et al., « « Heterologous gene expression in <i>Aspergillus niger</i> : a glucoamylase-porcine pancreatic prophospholipase A ₂ fusion protein is secreted and processed to yield mature enzyme, » <i>Gene</i> , vol. 122, pp. 155-161, 1992.
	*Russo, Ruth N. et al., « Bovine β 1 \rightarrow 4-Galactosyltransferase : Two Sets of mRNA Transcripts Encode Two Forms of the Protein with Different Amino-terminal Domains, » <i>The Journal of Biological Chemistry</i> , vol. 265, no. 6, pp. 3324-3331, February 25, 1990.
	*Sarkar, M. et al., « Molecular cloning and expression of cDNA encoding the enzyme that controls conversion of high-mannose to hybrid and complex N-glycans : UDP-N-acetylglucosamine : α -3-D-mannoside β -1,2-N-acetylglucosaminyltransferase I, » <i>Proc. Natl. Acad. Sci. USA</i> , vol. 88, pp. 234-238, January, 1991.
	*Katsutoshi, Sasaki et al., « Expression Cloning of a Novel Gal β (1-4)GlcNAc α 2,3-Sialyltransferase Using Lectin Resistance Selection, » <i>The Journal of Biological Chemistry</i> , vol. 268, no. 30, pp. 22782-22787, October 25, 1993.
mm	*Scholtissek, Stephan et al., « A plasmid vector system for the expression of a triprotein consisting of β -galactosidase, a collagenase recognition site and a foreign gene product, » <i>Gene</i> , vol. 62, pp. 55-64, 1988.
Examiner	Date Considered
mm	6/24/03

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Docket No.: GC272-D2	Serial N.: 09/08/1919
Applicant: Kodama et al.	APR 29 2003
Filing Date: April 15, 1998	Group: 1652
Pag 7 of 8	Date of this Submission: April 24, 2003

OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
mmr	*Schwientek et al., <i>Gene</i> , vol 145, pp. 299-303, 1994.
	*Scocca, Jane R. et al. « Sequence of a cDNA that Specifies the Uridine Diphosphate N-Acetyl-D-glucosamine :Dolichol Phosphate N-Acetylgalactosamine-1-phosphate Transferase from Chinese Hamster Ovary Cells, » <i>The Journal of Biological Chemistry</i> , vol. 265, no. 33, pp. 20621-20626, November 25, 1990.
	*Shaper, Nancy L. et al., « Characterization of the Full Length cDNA for Murine β -1,4-Galactosyltransferase, » <i>The Journal of Biological Chemistry</i> , vol. 263, no. 21, pp. 10420-10428, July 25, 1988.
	*Smith, Donald B. et al., « Single-step purification of polypeptides expressed in <i>Escherichia coli</i> as fusions with glutathione S-transferase, » <i>Gene</i> , vol. 67, pp. 31-40, 1988.
	Smith, Peter L. et al. « Molecular Cloning of a Murine N-Acetylgalactosamine Transferase cDNA That Determines Expression of the T Lymphocyte-specific CT Oligosaccharide Differentiation Antigen, » <i>The Journal of Biological Chemistry</i> , vol. 269, no. 21, pp. 15162-15171, May 27, 1994.
	*Stagljär, Igor et al., « New Phenotype of mutations deficient in glucosylation of the lipid-linked oligosaccharide : Cloning of the ALG8 locus, » <i>Proc. Natl. Acad. Sci. USA</i> , vol. 91, pp. 5977-5981, June, 1994.
	*Tilburn, Joan et al., « Transformation by integration in <i>Aspergillus nidulans</i> , » <i>Gene</i> , vol. 26, pp. 205-221, 1983.
	*Tsuchiya, K. et al., « High Level Secretion of Calf Chymosin Using a Glucoamylase-prochymosin Fusion Gene in <i>Aspergillus oryzae</i> , » <i>Biosci. Biotech. Biochem.</i> , vol. 58, no. 5, pp. 895-899, 1994.
	*Turnbull, B. et al., « Expression of the <i>Escherichia coli</i> Enterotoxin Subunit B Gene in <i>Aspergillus nidulans</i> directed by the AMDS Promoter, » <i>Bio/Technology</i> , vol. 7, pp. 169-174, February, 1989.
	*Upshall, A. et al., « Secretion of Active Human Tissue Plasminogen Activator from the Filamentous Fungus <i>Aspergillus nidulans</i> , » <i>Bio/Technology</i> , vol. 5, pp. 1301-1304, December, 1987.
	*Ward, Pauline et al., « A System for Production of Commercial Quantities of Human Lactoferrin : A Broad Spectrum Natural Antibiotic, » <i>Bio/Technology</i> , vol. 13, pp. 498-503.
	*Weinstein, Jasminder et al., « Primary Structure of β -Galactoside α 2,6-Sialyltransferase, » <i>The Journal of Biological Chemistry</i> , vol. 262, no.36, pp. 17735-17743, December 25, 1987.
	*Weisgerber, Christoph et al., « Complete nucleotide and deduced protein sequence of CMP-NeuAC :poly- α -2,8 sialosyl sialyltransferase of <i>Escherichia coli</i> K1, » <i>Glycobiology</i> , vol. 1, no. 4, pp. 357-365, 1991.
	*Wen, Dawn et al., « Primary Structure of Gal β 1,3(4)GlcNAc α 2,3-Sialyltransferase Determined by Mass Spectrometry Sequence Analysis and Molecular Cloning, » <i>The Journal of Biological Chemistry</i> , vol. 267, no. 29, pp. 21011-21019, October 15, 1992.
mmr	*Weston, Brent W. et al., « Isolation of a Novel Human α (1,3)Fucosyltransferase Gene and Molecular Comparison to the Human Lewis Blood Group α (1,3/1,4)Fucosyltransferase Gene, » <i>The Journal of Biological Chemistry</i> , » vol. 267, no. 6, pp. 4152-4160, February 25, 1992.
Examiner	Dat C nsidered
mmr	6/24/03

Examiner: Initial if r ference consid r d, whether or not citation is in conformance with MPEP 609; draw line through citati n if n t in conformanc and n t considered. Include c py of this form with next c mmunicati n to applicant. PTO-1449

INFORMATION DISCLOSURE CITATION

Attorney Dock t N : GC272-D2	S rial No.: 09/007,019
Applicant: Kodama et al.	
Filing Date: April 15, 1998	Group: 1652
Page <u>8</u> of <u>8</u>	Date of this Submission: April 24, 2003

OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
mm2	*Weston, Brent W., « Molecular Cloning of a Fourth Member of a Human $\alpha(1,3)$ Fucosyltransferase Gene Family, » <i>The Journal of Biological Chemistry</i> , vol. 267, no. 34, pp. 24575-24584, December 5, 1992.
	*Yamamoto, Fumi-Ichiro et al., « Molecular genetic basis of the histo-blood group ABO system, » <i>Nature</i> , vol. 345, pp. 229-233, May 17, 1990.
	Yamamoto, Fumi-Ichiro et al., « Cloning and Characterization of DNA Complementary to Human UDP-GalNAc : Fuc $\alpha 1 \rightarrow 2$ Gal $\alpha 1 \rightarrow 3$ GalNAc Transferase (Histo-blood Group A Transferase) mRNA, » <i>The Journal of Biological Chemistry</i> , vol. 265, no. 2, pp. 1146-1151, January 15, 1990.
	*Yelton, M. Melanie et al., « Transformation of <i>Aspergillus nidulans</i> by using a <i>trpC</i> plasmid, » <i>Proc. Natl. Acad. Sci.</i> , vol 81, pp. 1470-1474, March, 1984.
mm2	*Zhu, Xiaying et al., « Cloning, Sequence, and Expression of a cDNA Encoding Hamster UDP-GlcNAc :Dolichol Phosphate N-Acetylglucosamine-1-phosphate Transferase,* » <i>The Journal of Biological Chemistry</i> , vol. 265, no. 24, pp. 14250-14255, August 25, 1990.
Examiner	Date Considered
mm2	6/24/03

RECEIVED
MAY 02 2003
TECH CENTER 1600/2900

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. PTO-1449